

ABSTRACT

The process for dispersing plant seeds comprises the steps of feeding a suspension of seeds in an aqueous medium into an axially symmetric vertical device until its circulation circuit including a pump and piping is filled up, dispersing the seeds by pumping the suspension through the circulation circuit closed, involving turbulent motion and attended heating of the flow of the suspension upstream of the device, and spirally whirling the flow within the device until a product of a predetermined consistency and temperature is obtained, degassing and discharging the product. To suppress destruction and oxidation of oils and/or proteins, the pumped suspension is whirled into a spiral of a radius decreasing from top to bottom and is drawn off for circulation through a central opening in the bottom of the device, the step of degassing is carried out not later than an axially symmetric funnel-shaped depression is formed in the whirling suspension and after the product has become as homogenous and heated throughout as desired, the process is discontinued and the circulation circuit is evacuated. The apparatus for carrying out the process comprises a flow-through device a cross section decreasing from top to bottom and an opening in the bottom portion of the device for connecting to the suction side of the pump.